

Form PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	
				Filing Date	Concurrently Herewith
				First Named Inventor	Hiroshi NEMOTO
				Art Unit	
				Examiner Name	
				Confirmation No.	
Sheet	1	of	3	Attorney Docket No.	791_056 DIV

J1050 U.S. PTO
 10/07/1664
 02/08/02

U.S. PATENT DOCUMENTS

Exam. Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
RAM	5,147,738	9/15/1992	Toyoguchi			
	5,605,773	2/25/1997	Ellgen			
	5,780,181	7/14/1998	Idota et al.			
	5,869,208	2/9/1999	Miyasaka			
	5,958,624	9/28/1999	Frech et al.			
	6,071,645	6/6/2000	Biensan et al.			
	6,040,089	3/21/2000	Manev et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation	Abstract
	4-141954 (A)	05/15/1992	Japanese				
	5-36412 (A)	02/12/1993	Japanese				
RAM	2 738 673	3/14/1997	FR				
RAM	0 782 206	7/2/1997	EP			✓	
RAM	0 696 075	2/7/1996	EP			✓	
RAM	WO 98/02928	1/22/1998	WO				
RAM	0 794 585	9/10/1997	EP			✓	
RAM	9-270259	10/14/1997	JP				✓

Examiner: RAM	Date Considered: 08/14/05
--	--

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number

Filing Date

Concurrently Herewith

First Named Inventor

Hiroshi NEMOTO

Art Unit

Examiner Name

Confirmation No.

Sheet

2

of

3

Attorney Docket No.

791_056 DIV

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation	Abstract
RAM	3-201368	9/3/1991	JP				
RAM	9-194214	7/29/1997	JP				
RAM	9-270259	10/14/1997	JP			Partial	✓
RAM	9-245838	9/19/1997	JP			Partial	✓
RAM	9-171824	6/30/1997	JP			Partial	✓
RAM	8-315819	11/29/1996	JP			Partial	✓
RAM	6-283174	10/7/1994	JP			Partial	✓
RAM	10-92429	4/10/1998	JP			Partial	✓
RAM	8-78013	3/22/1996	JP			Partial	✓
RAM	9-259863	10/3/1997	JP				✓
RAM	9-35712	2/7/1997	JP				✓
RAM	10-106624	4/24/1998	JP				✓
RAM	4-237970	8/26/1992	JP				✓
RAM	11-71115	3/16/1999	JP				
RAM	11-73962	3/16/1999	JP				✓
RAM	2000-67864	3/3/2000	JP				
RAM	3031546	2/10/2000	JP				
RAM	11-73960	3/16/1999	JP				✓
RAM	11-111291	4/23/1999	JP				✓
RAM	2000-48818	2/18/2000	JP				
RAM	9-147867	6/6/1997	JP				
RAM	6-295726	10/21/1994	JP				
RAM	9-293512	11/11/1997	JP				

Examiner:

RAM

Date Considered:

08/14/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	
Filing Date	Concurrently Herewith
First Named Inventor	Hiroshi NEMOTO
Art Unit	
Examiner Name	
Confirmation No.	
Attorney Docket No.	791_056 DIV

Sheet 3 of 3

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation	Abstract
RAM	0 744 780	11/27/1996	EP			✓	
RAM	WO 98/06670	2/19/1998	WO				✓
RAM	1-265456	10/23/1989	JP				✓
RAM	WO 98/24131	6/4/1998	WO			✓	
RAM	WO 98/38648	9/3/1998	WO			✓	
RAM	WO 98/57386	12/17/1998	WO				✓
RAM	WO 99/01903	1/14/1999	WO				✓

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

	Li Guohua, H. Ikuta, T. Uchida, and M. Wakihara, <i>The Spinel Phases $\text{LiM}_x\text{Mn}_{2-y}\text{O}_4$ ($M = \text{Co, Cr, Ni}$) as the Cathode for Rechargeable Lithium Batteries</i> , Department of Chemical Engineering, Tokyo Institute of Technology, Ookayama, Meguro-ku, Tokyo 152, Japan, pages 178--183. <i>No specific date available.</i> *
RAM	Pistoia, G., et al., "Doped Li-Mn Spinel: Physical/Chemical Characteristics and Electrochemical Performance in Li Batteries," <i>Chemistry of Materials</i> , Vol. 9, No. 6, 1997, pp. 1443-1450, XP002121765. *
RAM	Chemical Abstract, Vol. 127, No. 22, 1 December 1997, Columbus, Ohio, Abstract No. 309488, Wakihara, Masataka et al., "Substituted Spinel Type Lithium Manganese Oxide Cathodes and Secondary Lithium Batteries," XP002121766. *
RAM	Patent Abstracts of Japan, Vol. 1995, No. 10, 30 November 1995 & JP 07 192719 (Sanyo Electric Co., Ltd.), 28 July 1995.
RAM	Gao, Yuan et al., "Novel $\text{LiNi}_{1-x}\text{Ti}_x/2\text{Mg}_x/2$ Compounds as Cathode Materials for Safer Lithium-Ion Batteries," <i>Electrochemical and Solid-State Letters</i> , Vol. 1, No. 3, September 1998, pages 117-119, XP000859260. *

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.